

REMARKS/ARGUMENTS

Claims 1-41 stood previously allowable in the outstanding Official Action. However, claims 1-5, 15-17, 21-25, 35-37 and 41 now have been rejected, with claims 6-14, 18-20, 26-34 and 38-40 objected to in the outstanding Official Action. Claims 6 and 26 have been cancelled without prejudice, claims 1, 7, 11, 16, 17, 21, 27, 31, 36 and 37 amended and newly written claims 44-47 offered for consideration. Accordingly, claims 1-5, 7-25, 37-41 and 44-47 remain in this application.

The Examiner's acknowledgment of Applicant's claim for priority is very much appreciated. However, the second action rejection of claims previously indicated as allowed is objected to as indicative of "piecemeal prosecution" which is to be avoided as per the Manual of Patent Examining Procedure (MPEP).

Applicant notes that in the first section on page 3 of the Official Action, various claims have been rejected under 35 USC §112. Claims 11 and 31 stand rejected as not having proper antecedent basis for the phrase "said configuration values." The dependency of claims 11 and 31 has been changed to 10 and 30, respectively, thereby providing proper antecedent basis for the phrase "said configuration values."

Claims 16 and 36 are objected to as allegedly failing to provide antecedent basis for "said current operation signal." These claims have been amended to depend from claims 15 and 35, respectively, thereby providing sufficient antecedent basis. Similarly, claims 17 and 37 have been amended to depend from claims 15 and 35 also to provide the antecedent basis for the phrase "said current operation signal."

In view of the above amendments to claims 11, 16, 17, 31, 36 and 37, it is submitted that these claims meet all requirements of 35 USC §112 and any further rejection thereunder is respectfully traversed.

The drawings stand objected to under Rule 83 as allegedly failing to show the "mapping circuit" in claims 1 and 21 and the "plurality of mapping circuits" in claims 5 and 25. Applicant submits herewith a substitute Figure 6 showing that a plurality of mapping circuits exist in the performance controller 2. As discussed on page 9, line 28 of Applicant's specification, the performance controller 2 includes the recited mapping circuit of claims 1 and 21 and the plurality of mapping circuits disclosed in claims 5 and 25. Therefore, this amendment to the figure does not constitute prohibited "new matter" and entry of the substitute drawing is respectfully requested.

In the first paragraph on page 7 of the Official Action, the Examiner indicates that the subject matter of claims 6 and 26 is patentable over all cited prior art. Applicant has included the subject matter of claims 6 and 26 in independent claims 1 and 21, thereby rendering these claims and all claims dependent thereon patentable.

The Examiner indicates in the second paragraph on page 7 of the Official Action that claims 8 and 28 contain allowable subject matter and these claims have been rewritten as newly submitted claims 44 and 46. The Examiner indicates on page 9 that claims 18 and 38 contain allowable subject matter and these claims have been rewritten as newly written claims 45 and 47. In view of the fact that the limitations of claims 6 and 26 have been incorporated into claims 1 and 21, claims 6 and 26 have been cancelled without prejudice. As a result, claims 1-5, 7-25,

27-41 and 44-47 are all believed allowable over the prior art of record and notice to that effect is respectfully requested.

In the limitation of claims 6 and 26 added to independent claims 1 and 21, Applicant modified the claim 6 and 26 phrase to read "at least one many to one mapping" and Applicant notes on page 4, lines 24-25 of the present specification that "the present abstraction technique conveniently supports many to one mappings" indicating that the specification discloses a plurality of mappings. Claims 1 and 21 have been amended to utilize language which encompasses both singular and plural mappings.

Newly written claims 44 and 46, which correspond to claims 8 and 28 rewritten in independent form, have also been amended to modify the language in the next to the last line of the claim from the previous recitation of "increases monotonically" to read "changes monotonically." Applicant amends this language to recite more generically that the control signal value changes monotonically rather than the particularly disclosed species of "increases." While the recitation of "decreases" monotonically would comprise prohibited "new matter," Applicant's amendment to recite the generic modification of "monotonically" is appropriate in claims 44 and 46.

Similarly, at the end of claims 45 and 47, the second from the last line, Applicant rewrites the phrase "one or more permanently available clock signal frequencies" to read "one or more available clock signal frequencies." Again, Applicant seeks to use more generic language without restricting available clock signal frequencies to either permanent or non-permanent signal frequencies. This slightly broader scope is still believed to distinguish over the cited prior

FLYNN
Appl. No. 10/715,593
April 10, 2006

art of record. Accordingly, entry and consideration of newly written claims 44-47 is respectfully requested.

Inasmuch as the subject matter of allowed claims has been incorporated in all independent claims, there is no need to respond to the rejection of former claims based on prior art.

Having responded to all objections and rejections set forth in the outstanding Official Action, it is submitted that claims 1-5, 7-25, 27-41 and 44-47 are in condition for allowance and notice to that effect is respectfully solicited. In the event the Examiner is of the opinion that a brief telephone or personal interview will facilitate allowance of one or more of the above claims, he is respectfully requested to contact Applicant's undersigned representative.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: 

Stanley C. Spooner
Reg. No. 27,393

SCS:kmm
901 North Glebe Road, 11th Floor
Arlington, VA 22203-1808
Telephone: (703) 816-4000
Facsimile: (703) 816-4100

FLYNN

Appl. No. 10/715,593

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AMENDMENTS TO THE DRAWINGS

The attached sheet of drawings includes changes to Fig. 6 . This sheet (sheet 5/10), which includes Fig. 6, replaces the original sheet including Fig. 6.